



Figure 1

BREAKDOWN BY SUBJECT

2 of subjects enrolled at baseline of the following VLDL alleles

VLDL allele	Controls (N=211)		Cases (N=118)		Total		Controls (N=118)		Cases (N=118)		Total		Controls (N=118)		Cases (N=118)		Total	
	Males (N=112)	Females (N=99)	Males (N=77)	Females (N=41)	Males (N=189)	Females (N=140)	Males (N=77)	Females (N=41)	Males (N=77)	Females (N=41)	Males (N=189)	Females (N=140)	Males (N=77)	Females (N=41)	Males (N=77)	Females (N=41)	Males (N=189)	Females (N=140)
5	91 (59.5)	35 (60.3)	126 (59.7)	55 (71.4)	28 (66.7)	83 (86.7)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
7	0 (0.0)	1 (1.7)	1 (0.5)	0 (0.0)	1 (0.5)	1 (0.5)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
6	74 (48.4)	27 (46.6)	101 (47.9)	31 (40.3)	23 (54.8)	54 (45.4)	23 (54.8)	15 (35.7)	15 (35.7)	1 (2.4)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)
9	80 (52.3)	29 (50.0)	109 (51.7)	36 (46.8)	15 (35.7)	51 (42.9)	15 (35.7)	1 (2.4)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)
10	2 (1.3)	0 (0.0)	2 (0.9)	0 (0.0)	2 (0.9)	2 (0.9)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
11	1 (0.7)	1 (1.7)	2 (0.9)	1 (1.3)	2 (0.9)	2 (0.9)	1 (2.4)	0 (0.0)	1 (2.4)	0 (0.0)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)

BREAKDOWN BY ALLELE

VLDL allele	Controls (N=211)		Cases (N=118)		Total		Controls (N=211)		Cases (N=118)		Total	
	Males (N=112)	Females (N=99)	Males (N=77)	Females (N=41)	Males (N=189)	Females (N=140)	Males (N=77)	Females (N=41)	Males (N=77)	Females (N=41)	Males (N=189)	Females (N=140)
5	112 (37.2)	43 (37.7)	155 (57.3)	73 (48.0)	37 (44.0)	110 (46.6)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
7	0 (0.0)	1 (0.9)	1 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
6	66 (29.6)	38 (31.4)	125 (30.1)	36 (23.7)	27 (32.1)	63 (26.7)	27 (32.1)	19 (22.6)	81 (23.6)	1 (0.4)	1 (0.4)	1 (0.4)
9	87 (32.2)	33 (28.8)	130 (31.4)	42 (27.6)	19 (22.6)	81 (23.6)	19 (22.6)	1 (1.2)	1 (0.4)	1 (0.4)	1 (0.4)	1 (0.4)
10	2 (0.7)	0 (0.0)	2 (0.5)	0 (0.0)	2 (0.5)	2 (0.5)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
11	1 (0.3)	1 (0.9)	2 (0.5)	1 (0.7)	2 (0.5)	2 (0.5)	1 (1.2)	0 (0.0)	1 (0.4)	1 (0.4)	1 (0.4)	1 (0.4)

Males p-value CLUMP 10000 allele: 0.19

Females p-value CLUMP 10000 allele: 0.02

Total p-value CLUMP 10000 allele: 0.20

BREAKDOWN BY GENOTYPE

VLDL genotype	Controls (N=200)		Cases (N=117)		Total		Controls (N=200)		Cases (N=117)		Total		Controls (N=200)		Cases (N=117)		Total	
	Males (N=110)	Females (N=90)	Males (N=71)	Females (N=46)	Males (N=181)	Females (N=136)	Males (N=71)	Females (N=46)	Males (N=71)	Females (N=46)	Males (N=181)	Females (N=136)	Males (N=71)	Females (N=46)	Males (N=71)	Females (N=46)	Males (N=181)	Females (N=136)
5/5	21 (14.2)	8 (14.3)	29 (14.2)	18 (24.0)	9 (21.4)	27 (23.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
5/7	0 (0.0)	1 (1.8)	1 (0.5)	0 (0.0)	1 (0.5)	1 (0.5)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
5/8	33 (22.0)	10 (17.9)	43 (21.1)	16 (21.3)	13 (31.0)	29 (24.6)	13 (31.0)	6 (14.3)	6 (14.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
5/9	35 (23.8)	15 (24.6)	50 (24.5)	21 (28.0)	6 (14.3)	27 (23.1)	21 (28.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
5/10	2 (1.4)	0 (0.0)	2 (1.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
5/11	0 (0.0)	1 (1.8)	1 (0.5)	0 (0.0)	1 (0.5)	1 (0.5)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
8/8	15 (10.1)	7 (12.5)	22 (10.8)	5 (6.7)	4 (9.5)	9 (7.7)	4 (9.5)	5 (11.6)	5 (11.6)	1 (2.4)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)
8/9	24 (16.2)	10 (17.9)	34 (16.7)	8 (10.7)	8 (10.7)	13 (11.1)	8 (10.7)	1 (2.4)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)
8/10	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
8/11	9 (6.7)	0 (0.0)	9 (4.5)	1 (1.3)	1 (0.5)	1 (0.5)	1 (1.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
9/9	17 (11.5)	4 (7.1)	21 (10.3)	5 (6.8)	5 (6.8)	10 (8.5)	5 (6.8)	4 (9.5)	4 (9.5)	1 (2.4)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)	1 (0.6)

Males p-value CLUMP 10000 allele: 0.17

Females p-value CLUMP 10000 allele: 0.44

Total p-value CLUMP 10000 allele: 0.26

BREAKDOWN BY GENOTYPE (collapsing groups)

VLDL genotype	Controls (N=204)		Cases (N=117)		Total		Controls (N=204)		Cases (N=117)		Total		Controls (N=204)		Cases (N=117)		Total	
	Males (N=110)	Females (N=94)	Males (N=71)	Females (N=46)	Males (N=181)	Females (N=136)	Males (N=71)	Females (N=46)	Males (N=71)	Females (N=46)	Males (N=181)	Females (N=136)	Males (N=71)	Females (N=46)	Males (N=71)	Females (N=46)	Males (N=181)	Females (N=136)
5/5	21 (14.2)	8 (14.3)	29 (14.2)	18 (24.0)	9 (21.4)	27 (23.1)	29 (14.2)	18 (24.0)	9 (21.4)	27 (23.1)	0.81 (0.42)	0.81 (0.42)	0.81 (0.42)	0.81 (0.42)	0.81 (0.42)	0.81 (0.42)	0.81 (0.42)	0.81 (0.42)
5/6	70 (47.3)	27 (49.2)	97 (47.5)	37 (49.3)	19 (45.2)	56 (47.8)	37 (49.3)	19 (45.2)	19 (45.2)	56 (47.8)	0.92 (0.77)	0.92 (0.77)	0.92 (0.77)	0.92 (0.77)	0.92 (0.77)	0.92 (0.77)	0.92 (0.77)	0.92 (0.77)
not 5/6	57 (38.5)	21 (37.5)	78 (38.2)	20 (28.7)	14 (32.3)	34 (29.1)	14 (32.3)	20 (28.7)	14 (32.3)	34 (29.1)	1.72 (0.10)	1.72 (0.10)	1.72 (0.10)	1.72 (0.10)	1.72 (0.10)	1.72 (0.10)	1.72 (0.10)	1.72 (0.10)

Males p-value CLUMP 10000 allele: 0.001

Females p-value CLUMP 10000 allele: 0.00

Total p-value CLUMP 10000 allele: 0.078

Figure 2

VLDLR	TDI	Chi-Sq	Y	S-TDI	Var(V)	z'	W	Combined Scores	z'
Allele	b	c		Mean(A)				Mean(A)	Var(V)
5	1	5	64	65.888	10.958	.419*	65	68.888	12.458
8	5	1	55	48.3	13.043	1.717	60	51.3	14.543
9	0	0	45	50.412	11.382	1.456*	45	50.412	11.382
7	0	0	2	1.2	0.36	0.5	2	1.2	0.36
allele	p-values								
5	0.17								
8	0.016								
9	0.073								

Figure 3